

010112

10/092,700

## COMPLETE LISTING OF CLAIMS

Please cancel claims 10-23 without prejudice.

1. (Original) In a mobile station storing a list of wireless communications systems, a system acquisition procedure comprising the steps of:

selecting a group of wireless communications systems from the list in accordance with a predetermined system acquisition procedure, the group of wireless communications systems having a first system acquisition order;

measuring a signal quality for each of the selected systems;

reprioritizing the group of wireless communications systems in accordance with the measured signal quality, the reprioritized group of wireless communications systems having a second system acquisition order; and

attempting to acquire the wireless communications system having the highest priority in accordance with the second system acquisition order.

2. (Original) The method of Claim 1 wherein the list of wireless communications systems is a preferred roaming list including a geographic region identifier and the step of selecting a group of wireless communications systems includes determining a current geographic region of the mobile station and selecting the listed wireless communications systems having a geographic region identifier that corresponds to the current geographic region of the mobile station, and

wherein the first system acquisition order is based on the relative order of the selected wireless communications systems in the preferred roaming list.

3. (Original) The method of Claim 2 wherein each wireless communications system identified in the preferred roaming list has a corresponding desirability level, at least two of the selected systems sharing the same level of desirability, and

wherein the step of reprioritizing comprises locating selected systems that share the same desirability level and sorting the located systems by the measured signal strength.

010112

10/092,700

4. (Original) The method of Claim 3 wherein each wireless communications system identified in the preferred roaming list has a corresponding desirability level and the step of reprioritizing comprises the steps of:

for each selected system, adjusting the corresponding desirability level based on the corresponding measured signal strength, the adjusted desirability criteria being stored in the group of wireless communications systems; and

sorting the group of wireless communications systems by the adjusted desirability levels.

5. (Original) The method of Claim 1 wherein the step of reprioritizing comprises removing a selected system from the group if its corresponding measured signal quality fails to meet a minimum threshold.

6. (Original) The method of Claim 1 wherein the step of measuring a signal quality includes calculating a ratio  $E_c/I_0$  of the received signal.

7. (Original) A mobile station comprising:

a memory storing a preferred roaming list, the preferred roaming list including a first plurality of system identifiers and corresponding acquisition parameters; and

a processing circuitry adapted to select wireless communications systems from the preferred roaming list in accordance with a predetermined system acquisition procedure, the selected wireless communications systems have a corresponding system acquisition order,

wherein the processing circuitry is further adapted to measure a signal quality of each selected system and modify the system acquisition order based on the measured signal qualities, the modified system acquisition order increasing the efficiency of the system acquisition process.

8. (Original) The mobile station of Claim 7 wherein the selected wireless communications systems include corresponding desirability criteria, and

wherein the processing circuitry is further adapted to adjust the corresponding desirability criteria of a selected system if the corresponding signal strength measurement exceeds a first threshold, and sort the selected wireless communications systems using the adjusted desirability criteria.

010112

10/092,700

9. (Original) The mobile station of Claim 7 wherein the measured signal quality for each system includes a signal-to-noise ratio of the received signal, the signal-to-noise ratio corresponding to a likelihood that the corresponding system would be acquired.

Claim 10-23. (Cancelled)